

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES 1   11	
2. AMENDMENT/MODIFICATION NO. 0002		3. EFFECTIVE DATE 23-May-2008		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO.(If applicable)	
6. ISSUED BY AFGHANISTAN ENGINEER DISTRICT US ARMY CORPS OF ENGINEERS KABUL APO AE 09356		CODE W917PM		7. ADMINISTERED BY (If other than item 6)  <b>See Item 6</b>		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X		9A. AMENDMENT OF SOLICITATION NO. W917PM-08-R-0068	
				X		9B. DATED (SEE ITEM 11) 14-Apr-2008	
						10A. MOD. OF CONTRACT/ORDER NO.	
						10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.</b> <b>IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  1. The purpose of this Amendment is to replace in its entirety the Scope of Work and answer questions dated 23 May 2008. 2. All other terms and conditions remain the same.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				TEL: _____ EMAIL: _____			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
_____ (Signature of person authorized to sign)				BY _____ (Signature of Contracting Officer)		24-May-2008	

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

**SUMMARY OF CHANGES**

## SECTION 00800 - SPECIAL CONTRACT REQUIREMENTS

The following have been added by full text:

QUESTIONS/ANSWERS 21 MAY 08

QUESTIONS 23 May 2008

1. The Contract Limit currently ends at the Boundary Wall for the complex. The referenced RFP does not make it clear whether or not we are to connect the road for the compound to the main road which passes in front.

Answer: The access road to the compound gate is in the scope of work of Phase I contract specified in Section 01010 paragraph II-8-C.

2. Section 01010 "Scope of Work", para. 5.1-29 and 5.2-21 states that, interior walls of the warehouses are to be painted on hard and smooth base material but does not give a height.

Answer: Per Section 01010 paragraph 5.1-2.

3. The conceptual drawing for Warehouse #3 indicates a loading dock on the west side of the warehouse. This will not work. There simply is not enough room for trucks to negotiate up to the dock. Also, as a practical matter warehouse generally separate shipping and receiving docks which would mean that there would be two doors. Lastly loading and unloading in this location would block traffic through the site to the Class VIII warehouse as well as other Class II, IV, VII warehouses and facilities.

Answer: Agree. see new Amendment: Changed one sentence in Section 01010 paragraph 4.7 and one sentence in paragraph 5.2.

4. The SOW does not mention any heating for the warehouse area.

Answer: No heating requirement for warehouse space.

The following have been modified:

SECTION 01010

**SECTION 01010**

## **SCOPE OF WORK**

### **1. GENERAL**

The project consists of survey and design; demolition of existing 6 warehouse; construct a new warehouse of 5,600 square meters and a second new warehouse of 12,220 square meters; site improvement work for existing warehouses; design and construction of an electrical distribution system with power plant for the new warehouses, water supply tied into existing water distribution system, a waste water treatment plant and sanitary sewer system, access road and load area. The work within this contract shall meet and be constructed in accordance with current U.S. design and International Building Codes (IBC), Life Safety Codes (NFPA-101), Force Protection and security standards. A partial listing of references is included herein:

IBC, International Building Codes 2003

NFPA 101, Life Safety Codes

UFC 4-010-01, DoD Minimum Anti-Terrorism Standards for Buildings.

#### **1.1 ENGLISH LANGUAGE REQUIREMENT**

All information shall be presented in English. The Contractor shall have a minimum of one English-speaking representative to communicate with the COR at all times when work is in progress.

#### **1.2 SUBMITTALS**

Submittals and a Submittal Register are required as specified in Section 01335 of the Basic Contract.

#### **1.3 CQM TRAINING REQUIREMENT**

Before project design and construction can commence, the Contractor's Quality Control Manager is required to have completed the U.S. Army Corps of Engineers CQM course, or equivalent. The Construction Trades Training Center (CTTC) in Jalalabad, Afghanistan provides a course that satisfies the requirement. Courses are offered at regular intervals. For enrollment and course information contact CTTC at the following:

Mhd. Haris

e-mail: [mharis@afghanreconstruction.org](mailto:mharis@afghanreconstruction.org)

Telephone: 0700 08 0602

Pervaiz

e-mail: [adpzmuj@yahoo.com](mailto:adpzmuj@yahoo.com)

Telephone: 0700 61 3133

## **2. LOCATION AND SCOPE OF WORK**

All work under this contract is for the design and construction of ANA Class II, IV, & VII Logistics Depot near Kabul International Airport, Kabul Province, Afghanistan. The coordinates of the site are

34° 35' 11.65" N 69° 10' 27.10" E  
34° 34' 59.46" N 69° 10' 23.85" E  
34° 34' 58.55" N 69° 10' 34.01" E  
34° 35' 10.93" N 69° 10' 35.07" E

Scope of work is defined in this Section 01010 and Section 01015. When there is conflict between Section 01010 and Section 01015, Section 01010 takes precedent to govern. Scope of work is also supplemented by attached Appendix with concept site and plan layout. The Contractor shall be responsible for the correctness, accuracy, and functionality of the final design of the facilities and buildings in the project.

### **3. UNEXPLODED ORDNANCE (UXO)**

#### **Contractor IS NOT responsible for clearance/removal.**

The contractor is not responsible for the clearance or removal of mines and unexploded ordnance (UXO) from the site prior to the commencement of construction. The site has been cleared and the certificate of clearance is available for review.

It is the responsibility of the Contractor to be aware of the risk of encountering UXO/mines and to take all actions necessary to assure a safe work area to perform the requirements of this contract. The Contractor assumes the risk of any and all personal injury, property damage or other liability arising out of or resulting from any Contractor action taken hereunder. The Contractor and its subcontractors may not handle, work with, move, transport, render safe, or disarm any UXO/mine, unless they have appropriate accreditations from the MAC.

If a UXO/mine is encountered during project construction, the Contractor shall immediately stop work in the affected area and immediately notify the Contracting Officer. UXO/mine disposal will not be the responsibility of the Contractor.

### **4. SITE AND UTILITY WORK REQUIREMENTS**

All dimensions used in this section are interior face-face measure and net area unless otherwise noted specifically. All site and building sketches herein attached serve as a visual illustration defining the scope of work, design and functional intentions, and layout relationship. All sketches are drawn not to scale. The contractor shall be responsible for planning and designing using best engineering effort to comply with the statement and functional intentions of this SOW.

#### **4.1 GENERAL SITE WORK**

Perform minor clearing, grubbing, trash removal, demolition, and scrap metal consolidation as needed in the construction designated boundaries shown in Appendix. All overgrown herbage or vegetation and other debris within all areas/structures listed in this SOW will be removed, unless specifically stated otherwise in writing, by the Customer and/or Contracting Representative. Design and construct a storm-water drainage system to remove standing water from all operational areas. Area around roads, buildings, and work surfaces shall be graded to route rain water away from the

structures, and storm water is to be collected and led effectively to existing storm drainage channels.

#### **4.2 DEMOLISH EXISTING 6 WAREHOUSES**

Demolish existing 6 Warehouses under various conditions at the site for Warehouse #3. All scrap metal currently onsite will be collected by the contractor and disposed of off-site. All non-metallic, fibrous trash and waste materials will be removed from the site and disposed by the contractor. Additionally, the contractor shall grade all areas to an even appearance and good for construction according to the master plan developed by the contractor.

The contractor may have to schedule the demolition work after 30 September 2008 for the material stored in the warehouses to be cleared by the user. Between the NTP and 30 September, contractor is expected to complete the design and long-lead building material procurement and gain the clearance for construction, so that the construction will progress without delay.

#### **4.3 SECURITY MEASURES**

The contractor shall be responsible for security for the construction which may include but is not limited to temporary fences and private security guards to prevent unauthorized site access and provide safety protection to the contractor's tools and property.

#### **4.4 WATER SYSTEM AND FACILITIES**

Contractor shall design and provide water supply for the new warehouses. The contractor, through study and calculation, can choose to build a new water source, utilize exiting water well, or connect to existing water supply system providing sound engineering solution. The contractor is required to design water storage and piping system with valves, fittings, bends and related accessories for optimum system performance for the two new warehouses.

The water circulation shall be designed to provide a minimum 276 kPa (40 psi) at ground level at all points in the systems. Minimum pressures of 207 kPa (30 psi), under peak domestic flow conditions, can be tolerated in small areas as long as all peak flow requirements can be satisfied. Maximum water pressures in distribution mains and service lines shall not exceed 520 kPa (75 psi) at ground elevation. Maximum pressure of 100 psi can be allowed in small, low lying areas not subject to high flow rates and surge pressures. Fire hydrant flow and irrigation systems shall not be included in design calculations. Provide an enclosed water well house.

#### **4.5 SEWAGE SYSTEM AND WASTE WATER TREATMENT PLAN**

The Contractor shall design and construct sanitary sewer gravity collection and treatment system for the depot, including sanitary sewer collection piping to the new facilities, conveyance of raw sewage to a treatment plant(s), processing of sludge and proper disposal of treated effluent. Underground packaged treatment system is preferred. The contractor is to design the system in the most economic and efficient way in determining the number and location of the treatment plants. The design and construction of the waste water treatment plant shall include all waste water generated

from facilities in Phase I which is discharged at southwest corner of the site through underground leaching system. The part of the treated water shall be used for irrigation and car wash, the contractor shall design and construct a vehicle washing rack, and a water filling point for landscape truck.

The system shall consist of all the necessary ancillary items appurtenances such as manholes, cleanouts and building service connections plus other standard fittings for optimum system performance. System capacity shall be calculated based on a hydraulic waste load that is equivalent to 10,000 gallons daily treatment capacity.

#### **4.6 POWER SUPPLY SYSTEM**

Design, construct and install an electrical supply system. This system will be designed around/off-of the Kabul City power grid for primary electrical power (fed from south of the facility), and provide new backup generators as a source of secondary power, capable of providing long-term power for all facilities on the compound, 24 hours a day/ 7 days a week.

The contractor will be responsible for conducting facility load calculations and providing adequately sized back-up power generation with automatic power switching from city power to generator power, with a 20% Reserve. The contractor will be required to make all connections between the city power grid and the new facilities.

All Electrical work for this Contract should be in accordance with the National Electric Code (NEC)(NFPA 70); any work not in compliance with the NEC is subject to be rejected by the Customer, and tagged for removal and replacement at the Contractors expense.

The Contractor shall provide bulk fuel storage capacity based on 30 days full-load operation for the backup generator. Contractor shall provide fuel for testing and inform the government a month in advance to supply operation fuel before turnover to the Government. All the fuel tanks shall be double walled container with proper support and accessible for refuel from a utility road away from the living and office area. Provide chain link fence and gates around entire fuel storage and power facility. Fuel Storage Tank design and installation shall be in complete compliance with NFPA, API and NEC codes.

#### **4.7 PAVEMENT AND SITE ACCESSORIES**

Design and construct vehicle access road, parking and loading area, side walk for truck and personnel. Warehouse #1 shall have a 30 m x 100 m asphalt concrete paved area at the south side of the building. Warehouse #3 shall have a 30m x91m asphalt concrete paved area at North side of the building and 20m x 91m at the South Side . The road layout shall provide access to buildings, parking lots, generator yard, and wastewater treatment plant.

**SOLID WASTE COLLECTION POINT:** The Contractor shall design and construct, in proper locations a total of one solid waste collection point at each warehouse ( 2 total).

The solid waste collection point shall be a 1.8 m X 1.8 m concrete pad with a 1.8 meter tall chain link fence around the perimeter. One side shall have a 1.2 m wide gate entrance. The solid waste collection point shall have a metal roof covering.

## **5. WAREHOUSES**

Warehouses shall be built using pre-engineered structural and shell elements to optimize performance, construction time, and quality. Interior structural span shall be optimal to the functional needs and engineering soundness; the contractor shall propose and get the approval of the government. All internal columns shall be protected from potential moving forklift impact.

### **5.1 WAREHOUSE #1**

New construction of Warehouse #1 is sized 200 ft x 300 ft approximately 61m x91.4 m and a total of 5,574 square meter (SM) in the first floor foot print, the concept layout is shown in Appendix. First floor shall include 1800 square meter Arms Vault which shall maintain minimum 4 meter room height from finish floor to underside of the second floor slab and minimum 3 meter vertical distance to the finish floor from the lowest point of any structural beam. Second floor above Arms Vault shall include 230 square meter Arms Maintenance Room, a 230 square meter Training Room, a total 400 square meter shipping and receiving offices, a 900 SM Administrative Office Area, mechanical, toilet latrine, and locker rooms. Arms Maintenance Room and Training Room shall maintain minimum 3 meter from finish floor to finished ceiling.

Warehouse #1 General Requirements:

- 1) Metal skin exterior and metal roof system with minimum 20 year life span. The coating on these shall be approved factory finish system.
- 2) Warehouses area shall have minimum 7 meter net vertical clearance.
- 3) Three warehouse-type heavy duty roll-up doors (approx. 3.5m W x 5m H) shall be placed at each of the two dock areas.
- 4) Design and Install AC unit to provide adequate heating and cooling for offices, Training Room, Latrine and Toilet, and Maintenance Room.
- 5) Provide good site grading so that the ground water will drain away from the building effectively.
- 6) Adequate thermal insulation shall be provided thermal resistance rating of  $RSI=2.0 \text{ m}^2\text{-C/W}$  for exterior walls and  $RSI=2.71 \text{ m}^2\text{-C/W}$  for roofs
- 7) Interior walls shall be hard surfaced.
- 8) All floors shall be sealed concrete finished with grey colored hardener except the toilet/shower rooms which shall be tiles with 2 meter wainscot.
- 9) Mechanical ventilation system shall be professionally designed and provided.
- 10) Provide and install exterior lighting at the 4 corners of the building and 2 lights in the center exterior wall of the buildings and at each entrance and exit. All exterior lights will be electronically controlled by photocells.

- 11) Provide and install electrical duplex receptacles no less than one every 3 meters in all offices and 2 at each interior column in the warehouses, and one weather-proof receptacle at each exterior door.
- 12) The warehouse(s) shall be pre-engineered building(s) (Butler Building, BlueScope Steel or equal). The manufacture of the building(s) shall supply all engineering drawings for the building(s) to include foundation(s) and preparatory specifications for there building.
- 13) The contractor shall have a manufacture's representative on site at all times during the setting of the anchor bolts and erection of the warehouses.
- 14) External Dock area to be 3m wide x 35m long and covered.
- 15) Roof Exhausters, V-belt drive, aluminum housing, complete air exchange within 20 minutes.
- 16) Mechanical Dock Levelers, hinged for trucks, 10 ton capacity 7' x 8', 1 ea at shipping and receiving dock.
- 17) Rubber dock bumper 6" thick, 10" high, 24" long.
- 18) Latrines and shower facilities will be provided at both levels with total of 8 toilets, 6 lavatory, and three shower stalls for male and three toilets, 2 lavatory, and 1 shower stall for female.
- 19) Janitor's room or space shall be provided with mop sink at each floor.
- 20) Arms Vault and Maintenance Room shall have minimum 20cm thick reinforced concrete for the floor, walls, and ceiling. The reinforcement shall be at a minimum 12.7 mm in dia. Spaced at 30cm on center both ways double matted with the mattes staggered, so as to present no through opening in the reinforcement greater than 15cm. The concrete used will be no less than 3500psi. Span between columns in this area shall be no less than 7.6 meters both ways.
- 21) Doors for this vault will be high security doors. There will be two sets of doors at each opening. One set will swing into the vault and the other set will swing out. The set of doors that lead from the warehouse floor into the vault will be 2.5 m wide x 2.75m high. No windows will be permitted.
- 22) The doors leading into Maintenance Room shall be high security doors same as for the arms vault. The doors shall be 1 meter wide x 2.5 m high.
- 23) A size no less than 1.8m x 1m x 1 m Arms lifting device shall be installed to transport arms and equipment from Arms Vault to Maintenance Room or vice versa; and an intercom device shall be installed at first floor and second floor on the wall of the Arms lifting device shaft.
- 24) Provide interior space with adequate fluorescent lighting in the Maintenance Room no less than office space.
- 25) Provide and install duplex electrical receptacles no less than 3 meter apart or any fraction there of along the walls in the Maintenance Room. The receptacles will be place at a height of 1.2 meters above the finish floor.
- 26) Construct Arms Maintenance Room Office 4.6m x 4.6m room. The room shall have RJ45 outlets (for telephone and data) wires to connect to the central location in the Administrative Office in Warehouse.



- 27) Provide natural light and ventilation through operable insulated windows whenever possible.
- 28) Provide adequate thermal insulation to the envelop of air-conditioned spaces within the warehouse shell to reduce energy loss.
- 29) Finish interior walls with paint on hard and smooth base material.
- 30) Large office area shall have a ceiling height of no less than 3 meters above the finish floor.
- 31) Install one pairs of RJ45 outlets (for telephone and data) at each power outlet area all offices. All wires shall run back to the central Com closet in the building which shall have 20 SM, all telephone and data lines will run to this room from through out the compound. This room will have temperature control AC unit.
- 32) In the Administrative Office Area, there shall be offices for the Commander, XO, and a conference room large enough to hold 15 persons.
- 33) All latrines shall be eastern style with floor drain and exhausting system. A shower stall shall have enclosed compartment for clothes change and storage. Locker area shall contains 250 lockers of 8 cubic feet each with 15% for female.
- 34) Provide concrete ramps to the loading docks for allowing high lift vehicles to access the warehouse from ground level.

## 5.2 WAREHOUSE #3

New construction of Warehouse #3 is sized 300 ft x 450 ft approximately 91.4m x 137m and a total of 12,220 square meter (SM) in the first floor foot print, the concept layout is shown in Appendix and shall be modified to fit with the site. There shall be one two-story office/latrine/locker facility near the Deck Area. The facility shall have an office at each floor of 36 SM.

Warehouse #3 General Requirements:

- 1) Metal skin exterior and metal roof system with minimum 20 year life span. The coating on these shall be approved factory finish system.
- 2) Warehouses area shall have minimum 7 meter net vertical clearance.
- 3) Three warehouse-type heavy duty roll-up doors (approx. 3.5m W x 5m H) shall be placed at the dock area.
- 5) Design and Install AC unit to provide adequate heating and cooling for offices, Latrine and Toilet, and Locker Room.
- 6) Provide good site grading so that the ground water will drain away from the building effectively.
- 7) Adequate thermal insulation shall be provided for thermal resistance rating of  $RSI=2.0 \text{ m}^2\text{-C/W}$  for exterior walls and  $RSI=2.71 \text{ m}^2\text{-C/W}$  for roofs.
- 8) All floors shall be sealed concrete finished with grey colored hardener except the toilet/shower rooms which shall be tiles with 2 meter wainscot.

- 9) Mechanical ventilation system shall be professionally designed and provided.
- 10) Provide and install exterior lighting at the 4 corners of the building and 2 lights in the center exterior wall of the buildings and at each entrance and exit. All exterior lights will be electronically controlled by photocells.
- 11) Provide and install electrical duplex receptacles no less than one every 3 meters in all offices and 2 at each interior column in the warehouses, and one weather-proof receptacle at each exterior door.
- 12) The warehouse(s) shall be pre-engineered building(s) (Butler Building, BlueScope Steel or equal). The manufacture of the building(s) shall supply all engineering drawings for the building(s) to include foundation(s) and preparatory specifications for there building.
- 13) The contractor shall have a manufacture's representative on site at all times during the setting of the anchor bolts and erection of the warehouses.
- 14) External Dock area to be 3m wide x 35m long and covered.
- 15) Roof Exhausters, V-belt drive, aluminum housing, complete air exchange within 20 minutes.
- 16) Mechanical Dock Levelers, hinged for trucks, 10 ton capacity 7' x 8', 1 ea at shipping and receiving dock.
- 17) Rubber dock bumper 6" thick, 10" high, 24" long.
- 18) Latrines and shower facilities will be provided at both levels with total of 8 toilets, 6 lavatory, and three shower stalls for male and three toilets, 2 lavatory, and 1 shower stall for female. All latrines shall be eastern style with floor drain and exhausting system. A shower stall shall have enclosed compartment for clothes change and storage. Locker area shall contains 150 lockers of 8 cubic feet each with 15% for female.
- 19) Janitor's room or space shall be provided with mop sink at each floor in the Office/Latrine facility .
- 20) Provide adequate thermal insulation to the envelop of air-conditioned spaces within the warehouse shell to reduce energy loss.
- 21) Finish interior walls with paint on hard and smooth base material.
- 22) Install one pairs of RJ45 outlets (for telephone and data) at each power outlet area all offices. All wires shall run back to the central Com closet in the Warehouse #1.
- 23) Provide concrete ramps to the loading docks for allowing high lift vehicles to access the warehouse from ground level.

## **6. OPTION ITEMS**

### **6.1 Site improvement for Warehouse 7,8,9**

Design and construct improvements to the grounds around existing Central Supply Warehouse #7, #8, and #9 located on the Logistics and Acquisition Command Headquarters. The designed chain-link fence area is approximately 85m x 50 m.

1. Grade and level the ground on the west side of warehouse 9 to facilitate outside storage of material and better water drainage away from the building. (see Appendix). Add gravel to match gravel grade and type of warehouses 7 & 8.
2. Re-grade and pave a strip area in front of warehouses 7, 8, and 9 to form an asphalt concrete area of 5m x 75m which links to entrances to warehouses 7, 8 and 9 and the two roads on west and east of the site. Asphalt concrete shall be stressed to handle a gross vehicle weight of 9,100kg.
3. Construct a chain link fence around warehouses 7, 8, and 9. Construct a 2.5m-high chain link fence topped with concertina wire. Include two vehicle entry control points and one personnel gate.
4. Design and provide controlled ground storm drain system of the site. Provide storm collection points, culverts, and a storm ditch at the south edge of the site which leads to the main storm ditch at the east boundary of the site.

## **6.2 Upgrade Existing DFAC**

The Contractor shall design and construct DFAC addition to provide additional dining area of 400 SM and a kitchen area of 50 SM with two additional large washing sinks for storage and food processing. The new dining area will be inter-connected with existing dinning space and the additional cooking area shall be conveniently link to existing kitchen area. Construction of new addition shall not interrupt the operation of existing DFAC.

- 1) All floors in buildings shall be terrazzo finished with clear stone sealer. Floor drains shall be incorporated in the dining areas with the floor sloped to drain.
- 2) Provide at least 2 floor drains in the new Kitchen area.
- 3) Provide at least 10% exterior area for window with double insulated glass glazing.
- 4) Provide AC system for the new facility.
- 5) Interior and exterior finish shall match existing DFAC facility.

(End of the Section)

(End of Summary of Changes)